

IN THE ABSTRACT:

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ABSTRACT OF THE DISCLOSURE

In a method of producing an optical aperture, there is provided an object having a substrate, at least one conical- or pyramidal-shaped tip disposed on the substrate, at least one stopper disposed on the substrate in the vicinity of the tip and having a height substantially equal to a height of the tip, and an opaque film disposed at least on the tip. A pressing body is disposed relative to the object so that a surface of the pressing body is disposed over the tip and at least a portion of the stopper. The pressing body is then displaced to bring the surface of the pressing body into contact with the object so that a force component is directed to a front end of the tip to form an optical aperture at the front end of the tip.